UTAH OIL AND GAS CONSERVATION COMMISSION

SPUDDLE IN

WILDCAT CARBON STATE 4-16

922' FNL

CREATTLER

760' FWL

12S 10E

NW NW

16

API NO. 43-007-30172

PG & E RESOURCES CO.



August 6, 1992



Division of Oil, Gas & Mining 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203

Attn: Tamm Searing

Re: PG & E Resources Company

Castlegate Prospect

Application for Temporary Change

of Water

Carbon County, Utah

Dear Tammi,

Enclosed please find one copy of the Application for Temporary Change of Water for PG & E's Castlegate Prospect in Carbon County, Utah.

As you know, several Applications for Permit to Drill have already been submitted and several additional applications will be forthcoming

In future applications I will reference the Change Application Number (t92-91-12 (91 Area), rather than send additional copies of this application.

If you should need additional information, please feel free to contact me.

Sincerely,

PERMITCO INC.

Lisa L. Smith Consultant for:

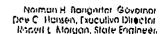
PG & E Resources Company

Sun & Smilk

Enc.

cc: PG & E Resources - Dallas, TX

PG & E Resources - Vernal, UT





Southeastern Area + 453 S. Carbon Aversee + P.O. Bax 718 + Price, UT 84501-0716 + 801-607-1303

July 31, 1992

West Hazmat Oil Field Services Inc. Attn: Dale Price East Highway 40 Roosevelt, Utah 84066

Re: Temporary Change Application #t92-91-12 Expiration Date: Hovember 30, 1992

Dear Mr. Price:

The above referenced Temporary Change Application is hereby approved, and a copy is enclosed for your information and records.

If you have any questions, please feel free to contact me.

Sincerely,

Mark P Page Regional Engineer

cc: Bob Davis - Price River Commissioner

, William A Warmuck

Enclosures MPP/mjk 13 1 0 1502 2 2 2 2 3 2 2 10 10

L:1-801-789-9277	Aug	04.92	(n nno
			 10.002

APPLICATION	FOR TEMPORARY	CHANGE
***************************************	OF WATER RECEIVED	Rec. by

Receipt # . Miccofilmed

Roll ≠.

CIV. OIL, GAS, MINING WATER RIGHTS

For the purpose of abidining permission romaked temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73.3.3 Utah Code Annotated 1913, as amended.

	A STATE OF THE PROPERTY OF THE
•	"WATER RIGHT NO. 91 . Area APPLICATION NO. 1 92 . 91 . 12
	Changes are proposed in (check those applicable)
	yount of diversion. X place of use. X nature of use. X period of use.
t.	OWNER INFORMATION
	Name: West Hazmat Oil Field Services Inc. "Interest: %
	Address: East Highway 40
	City: Roosevelt State: Utah Zip Code: 84066
2.	*PRIORITY OF CHANGE: July 31, 1992 *FILING DATE: July 31, 1992
	"Is this change amendatory? (Yes/No):flo
3	RIGHT EVIDENCED BY: 91-366, Cert. #a229, Morse Decree First Class
.,,	The state of the s
	Prior Approved Temporary Change Applications for this right: £91-91-09; £92-91-03; £92-91-04;
	t92-91-05; t92-91-09; t92-91-10.
33	овоположения поставления неветого не выправнования в предоставления в при в
4.	QUANTITY OF WATER: 7.98 cfs and/or ac/l.
5.	K 1 K1
6.	
7.	
•	POINT(S) OF DIVERSION: S. 560 ft. & E. 680 ft. from Ms Cor. Sec. 1, T14S, R9E, SL8&M.
	1 / Section 1 Management of Ma
	Description of Diverting Works. Concrete diversion dam, earthen ditches
ß.	POINT(S) OF REDIVERSION
•	The water has been rediverted from at a point:
	Description of Diverting Works:
a	POINT(S) OF RETURN
	The amount of water consumed is $\frac{7.98}{2}$ cfs or ac-ft.
	The amount of water returned iscis orac.(1.
	The water has been returned to the natural stream/source at a point(s):
	The mater was made to the natural stream/sounce at a point(s):
	Committee of the commit

^{*}These flems are to be completed by the Division of Water Rights.

W.	NATURE AND PER	From ch 1 to Hoven	her 30		
				•	
	Stockwatering:	From 10			
	Domestic:	From			
	Municipal. Mining,	From10			
	Power,	Fromto			
	Other	110m 10			
	771101	17011			
11	Stockwatering (num Domestic: Fe	5.07 acres Sole supply of 4 nber and kind) imilies and/or Persons			
	Mining		Mining District in the .		Mine
	Power Plant name.		Турс	·Capacity	
12		place of use by 40 acre tract(s)			
17	STORAGE Reservon Name Capacity Height of dam	_ac_fi_Inundated Area a feet Inundated area by 40 tract(s)	Storage Period (in	om 10	_
	41	. "" THE FOLLOWING CH) (1041) (101) (41),4	,
11	QUANITY OF WAT	ER cfs and/o	or 13.0 acfl	,	
15	SOURCE _ 1)_W111	ov Creek 2) Underground	Exploratory Wells		
	Balance of the water	will be abandoned.	, or will be used	as heretofore. X	
լը	COUNTY Carbon	SION Sce Attached She	- +		
17.					
	~		2	Fristing 5'" casing	
	Description of Diver	iling Works 1) Portable pu	mp to tank truck	4425 to 4667 feet deep	<u> </u>
	COMMON DESCRII	TION 10 miles NE of He	lper	Matts Summit Quad	
	POINTIS) OF REDIVI The wall I will be re	ersion diverted from		at a point	
			•		
			- 		
	Description of Diver	ting Works	·····		•
	The amount of water	N To be consumed iscisturned to the natural strum/so	orur ft		

JAMES ALTERNATION OF THE PARTY OF THE PARTY

24 TXPLANATORY

the following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose (Use additional pages of same size if necessary): ______ This Temporary Change Aprilication is being filed to replace t91-91-09 & t92-91-10 to correct the points of diversion and place of use. To date approximately 0.77 AF has been utilized under 191-91-09.

The undersigned bereby acknowledges that even though he/she/they may hive been assisted in the preparation of the above numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, tests with the applicant(s)

Signature of Applicant(s)

West Hazmat Oil Field Services Inc. Temporary Change Application #t92-91-12 (91 Area) July 31, 1992

#17 Points of Diversion: ,

Willow Creek:

N. 320 ft. & W 290 ft. from SE Cor Sec. 3, T125, R20E, SLB&M.

Shimmin Trust Wells.

Shimmin Trust #1: N. 793 ft. & W. 780 ft. from SE Cor. Sec. 11; Shimmin Trust #2: S. 1980 ft. & W. 800 ft. from NE Cor. Sec. 14, Shimmin Trust #3: S. 1980 ft. & E. 1780 ft. from NW Cor. Sec. 14; Shimmin Trust #4: N. 540 ft. & E. 1900 ft. from SW Cor. Sec. 11; Shimmin Trust #5. S. 660 ft. & W. 2340 ft. from NE Cor. Sec. 14; all T125. RJOE. SLB&M

#22 Place of Use:

1210-0806. S. 2400 ft & E. 1769 ft. from NW Cor. Sec. 8 (SE4NW4) #7-9 Federal: S. 2109 ft. & W. 2038 ft. from NE Cor. Sec. 9 (SW4NE4) #4-15 Federal: S. 660 ft. & E. 450 ft. from NW Cor. Sec. 15 (NW4NW4) #4-13 Federal' S. 1174 ft. & E. 1168 ft from NW Cor. Sec. 13 (NW4NW4) #9-10 Jensen: N. 2500 ft & W. 1020 ft from SE Cor. Sec. 10 (NE4SE4) #2-16 State: S /80 ft. & W. 1971 ft. from NE Cor. Sec. 16 (NW4NE4) #9-16 State: N. 1993 ft. & W. 702 ft. from SE Cor. Sec. 16 (NE4SE4) #11-10 Jensen N 1650 ft & E 1650 ft from SW Cor. Sec. 10 (NE4SW4) #5-10 Jensen: S. 1680 ft. & E. 660 ft. from NW Cor. Sec. 10 (SW4NW4) #16-10 Jensen: N 330 ft. & W. 330 ft from SE Cor. Sec. 10 (SE4SE4) #7-15 Jensen: S. 1650 ft. & W. 1650 ft. from NE Cor. Sec. 15 (SW4NE4) #11-11 Shimmin Trust: N. 2350 ft. & E 1500 ft. from SW Cor, Sec. 11 (NE4SW4) #10-11 Shimmin Trust: N. 2300 ft. & W. 1850 ft. from SE Cor. Sec. 11 (NW4SE4) #12-12 Shimmin Trust: N. 2310 ft. & E. 990 ft. from SW Cor. Sec. 12 (NW4SW4) #14-12 Shimmin Trust: N. 660 ft. & E. 1980 ft. from SW Cor. Sec. 12 (SE4SW4) #11-15 Jensen: N. 1850 ft. & E 1650 ft from SW Cor. Sec. 15 (NE4SW4) #16-9 Jensen: N. 1150 ft & W. 1150 ft. from SE Cor. Sec. 9 (SE4SE4) #16-15 Federal, N 990 ft. & W. 990 ft. from SE Cor. Sec. 15 (SE4SE4) #14-14 Federal, N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 14 (SE4SW4) #14-16 Federal. N. 990 ft. & W 990 ft from SE Cor. Sec. 14 (SE4SE4) #14-13 Federal. N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 13 (SE4SW4) ATT TIZS, RIDE, SLB&M

Alternate Wells: #12-9 Jensen: N 2054 ft. & E. 592 ft. from SW Cor Sec. 9 (NW4SW4) #14-9 Jensen: N 675 ft & E 2170 ft from SW Cor Sec. 9 (SE4SW4) #4-16 State. S. 922 ft. & E 750 ft. from NW Cor. Sec. 16 (NW4NW4) #11-16 State: N 1980 ft & E 1980 ft from SW Cor. Sec. 16 (NE4SW4) All TIZS, RIOE, SLB&M

STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: t92-91-12

	July 31, 1992 July 31, 1992	Change Application received by BW. Application designated for APPROVAL by MP
3.	Comments:	

Conditions:

This application is hereby APPROVED, dated July 31, 1992, subject to prior rights and this application will expire on November 30, 1992.

Mark Page, Area Engineer for Robert L. Morgan, State Engineer





Division of Oil, Gas & Mining 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203 Attn: Tammi Searing

Re: PG & E Resources Company
#4-16 State
922' FNL and 760' FWL
NW NW Sec. 16, T12S - R10E
Carbon County, Utah

Dear Tammi,

Enclosed please find three copies of the A.P.D. on the above mentioned well along with three copies of the drilling program. A temporary change application is on file with the Division of Water Rights, Price, Utah for use of the proposed water sources.

Please forward approved copies of the A.P.D. to Jim LaFevers at the following address:

PG & E Resources Company 5950 Berkshire Lane, Suite 600 Dallas, TX 75225

If you should need additional information, please feel free to contact me.

Sincerely,

PERMITCO INC.

Lisa L. Smith
Consultant for:

PG & E Resources Company

Enc.

cc: PG & E - Dallas, TX PG & E - Vernal, UT

Permitco Incorporated

Petroleum Permitting Company

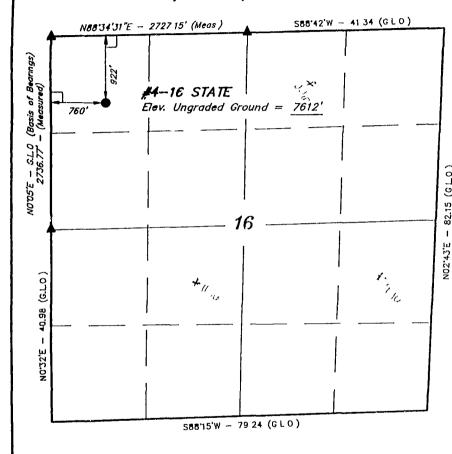
Form OGC 1a

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OU GAS AND MINING



DIVISI	ON OF OIL, GAS, AND M	INING	i Lens	e Design ition and Serial No.
	,,,		М	L 44443
	PERMIT TO DRILL,	DEEPEN, OR PL	JC∍BACK	Allottee or Tribe Name
DRILL **	DEEPEN T	•1116	G BACK []	Agreement \ame
h Type of Wel	DEEPEN []	PLU	C BACK [] N	/A
(선, 🗆	Other Coalbed Met	thane 👯 💥		or Leise Name
2 Yume of Operator 214/750-	3800 5950 Bert	kshire Lane, =60	O Zore S	tate
PG & E Resources Co	mpany Dallas,		9 Well	
Audress of Operator 303/452	-8888 13585 Jac	ckson Drive		4-16
Permitco Inc Age	ent Denver, O			d and Pool or Wildeat
At surface		ins state re, re-e- Life		wildert
922	!' FNL and 760' FWL	,	11 Sec	T R M or Bik Survey or Area
	IW Sec 16	AUS	12, s	ec. 16, T12S - R10E
14 Distance a miles and direction	from nearest own or post office.		ACREMITE THE PARTY OF THE PARTY	nty of Pittish 13 State
15 miles north of P	rice, Utah	DIV OIL	GAS. BURNET I	arbon Utah
la Distance from proposes* location to nearest property or 'case 'one ft	760'	640	to this well	160
I Min to nearest drik line I in	700	Is Proposes senta	20 Retury or cable	teels
to nextest vell drilling completer applied for on this lease ft	2800'	48351	Rotar	
21 Levitons (Show whether DE R 7612 GR	T GR etc i		Im	mediately upon
:1	PROPOSED (As)	NG AND ITMENTING PRO		p roval of this plication
Size of Hos Siz	e of Cisina Weight part	oot 'e -e Lenti		antity of Cement
12-1/4"	8-5/8" 24#	500		ffic to circ to sunf
7-7/8"	5-1/2" 17=	<u>4835</u> +		e tool at 3200'
Star Point Coals for completed. If dry, requirements. See Drilling Progra	or coalbed methane the well will be p	If productive, lugged and aband	casing will be loned as per S ta Eng Geo Sur	Diani 8/18/8
Bond coverage for t	this well is provide	d under Bond No	8063-38-07 and	8057-26-00'. '
and regulations of	peen staked at non-s the Div. of Oil, Ga of all acreage wit ministrative approva	s & Mining, howe hin 3/8 mile of	ever, PG & F Res the proposed lo	ources Company
IN ABOVE SPACE DESCRIBE PR ductive zone. If proposal is to drift preventer program of irv				
4	,	Consultant fo		
SII NOI DEALE & C	Wick To	PG & E Resour		Date 8/10/92
Permit So 1 3 77	office uses 7 - 3 17 171	A, votal Pite	OF UTAH	DY THE STATE DIVICION OF AND MINING
Armoved by Conditions of approval if thy	1 11	0		/EL / UPV [
	•"		DATE	1100-2-2

T12S, R10E, S.L.B.&M.



LEGEND:

= 90. SAWBOL

PROPOSED WELL HEAD.

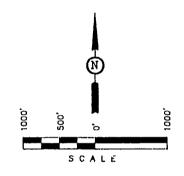
■ SECTION CORNERS LOCATED (1923 Bross Cops)

PG&E RESOURCES COMPANY

Well location, #4—16 STATE, located as shown in the NW 1/4 NW 1/4 of Section 16, T12S, R10E, S.L.B.&M. Carbon County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP LOCATED IN THE N 1/2 OF SECTION 16, T12S, R10E, S L B.&M.
TAKEN FROM THE MATTS SUMMIT QUADRANGLE, UTAH, 7 5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY SAID ELEVATION IS MARKED AS BEING 7643 FELT



FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER, MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLET

REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709

UINTAH ENGINEERING E-LAND SURVEYING 85 SOUTH 200 EAST - VERNAL UTAH 84078

(801) 789-1017

SCALE 1 DATE SURVEYED. | DATE DRAWN. | 7-8-92 | 7-18-92 |

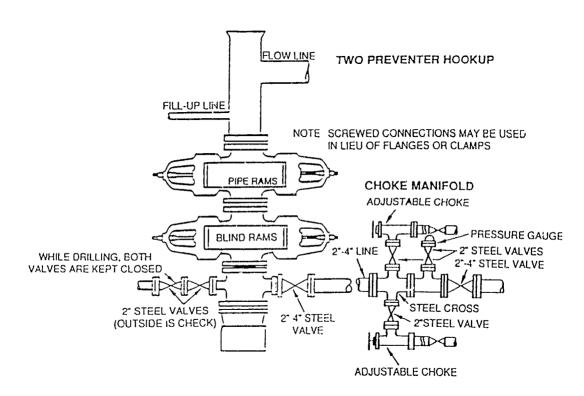
PARTY | REFERENCES | G L O PLAT

WARM PG&E RESOURCES

VEATHER



TYPICAL 2,000 PS1 BLOWOUT PREVENTER SCHEMATIC



CONFIDENTIAL - TIGHT HOLE

#4-16 STATE 922' FNL and 760' FWL NW NW Sec. 16, T12S - R10E Carbon County, Utah

Prepared For:

PG & E RESOURCES COMPANY

By:

PERMITCO INC. 13585 Jackson Drive Denver, Colorado 80241 303/452-8888

Copies Sent To-

- 3 Division of Oil, Gas & Mining
- 1 PG & E Resources Co. Vernal, Utah
- 3 PG & E Resources Co Dallas, TX



Application for Permit to Drill P G & E Resources Company #4-16 State 922' FNL and 760' FWL NW NW Sec. 16, T12S - R10E Carbon County, Utah



Page 1

1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation	<u>Depth</u>
Flagstaff	Surface
Price River	2809'
Castlegate	3263'
Blackhawk	3617'
Aberdeen (S.P. II)	4535'
T.D.	4835'

2. Casing Program

The proposed casing program will be as follows:

Purpose	<u>Depth</u>	Hole Size	<u>O</u> <u>D</u> .	<u>Weight</u>	Grade
Surface	0-500'	12-1/4"	8-5/8"	24#	K-55
Produc.	0-4835'	7-7/8''	5-1/2"	17#	N-80

Casing design subject to revision based on geologic conditions encountered.

3 Cement Program

The cement program will be as follows:

Surface		
Surface		
0-500		

Type and Amount

Cement to surface with 350 sx Premium Cement + 2% CaCl2 + 0.25 #/sk Flocele (or equivalent). Centralizers will be run on bottom 3 joints plus every 4th joint to surface



CONFIDENTIAL - TIGHT HOLE

Application for Permit we rill P G & E Resources Company #4-16 State 922' FNL and 760' FWL NW NW Sec. 16, T12S - R10E Carbon County, Utah

Page 2

Production

Type and Amount

Two stage cement to surface w/stage tool at 3200'. First Stage: 290 sx 50/50 Pozmix + 2% Gel + .25% Flocele. Second Stage: 200 sx Silica Lite + 4% Gel + 4% CaCl2.

4. Drilling Fluids

The proposed circulating mediums to be employed in drilling are as follows:

Interval	Mud Type	Mud Wt.	Visc.	<u>FL</u>	<u>PH</u>
0-500'	Air/Spud Mud	8.4-9.0	32-50	N/C	8.0-9.0
500-3500'	FW w/Gel Sweeps	8.4-8.8	28-32	N/C	8.0-9.0
3500-4835'	FW-LSND	8 6-9.0	34-45	10-15	8.0-9.0

5. Testing, Logging and Coring

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are planned
- b. The logging program will consist of a Cased Hole Dual Spaced Neutron w/Gamma Ray, 2" & 5" from T D. to Base of Surface Casing and an Acoustic CBL/CCL, 5" from T. D. to Base of Surface casing.
- c. No Cores are anticipated.

6. Spud Date/Drilling Time

a Drilling is planned to commence upon approval of this application.



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Character That Hole

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CONSENTIAL - TIGHT HOLE

Application for Permi Drill P G & E Resources Company #4-16 State
922' FNL and 760' FWL
NW NW Sec. 16, T12S - R10E
Carbon County, Utah

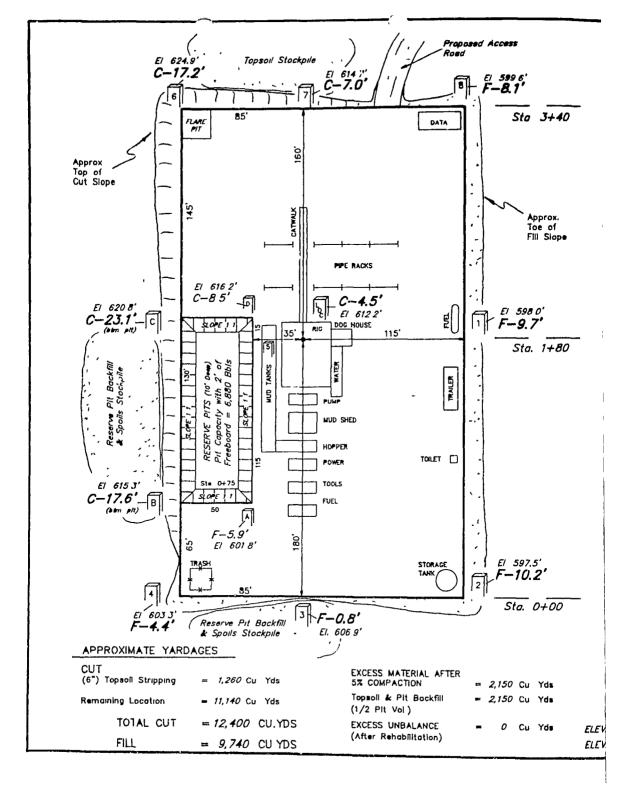
Page 5

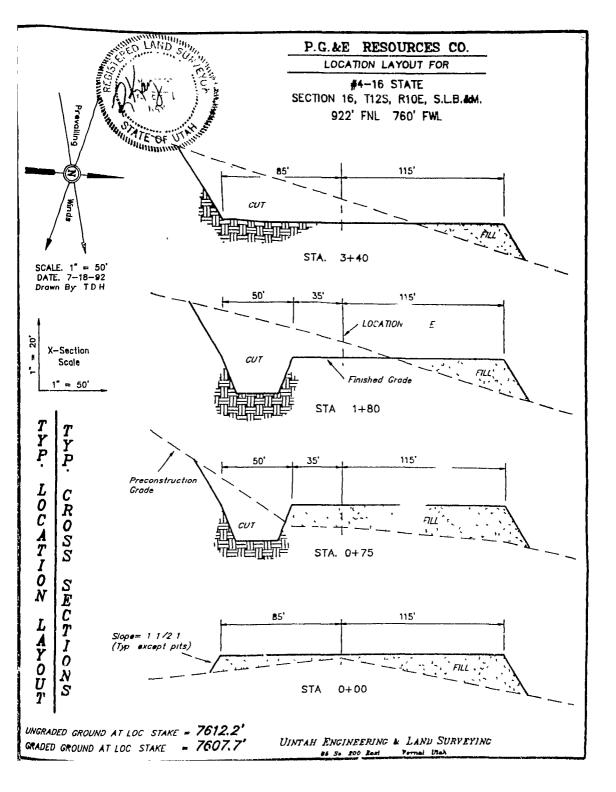
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit <u>all</u> tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

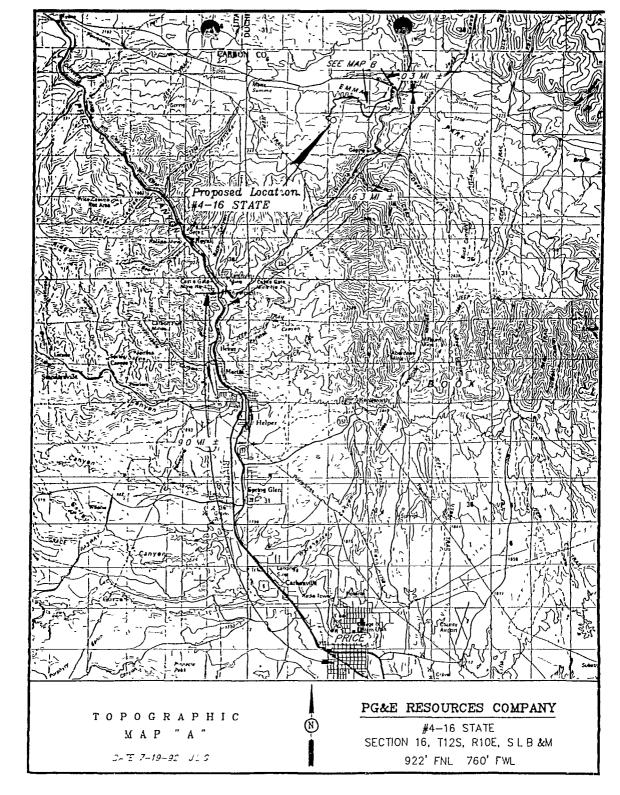
9. Anticipated Pressures

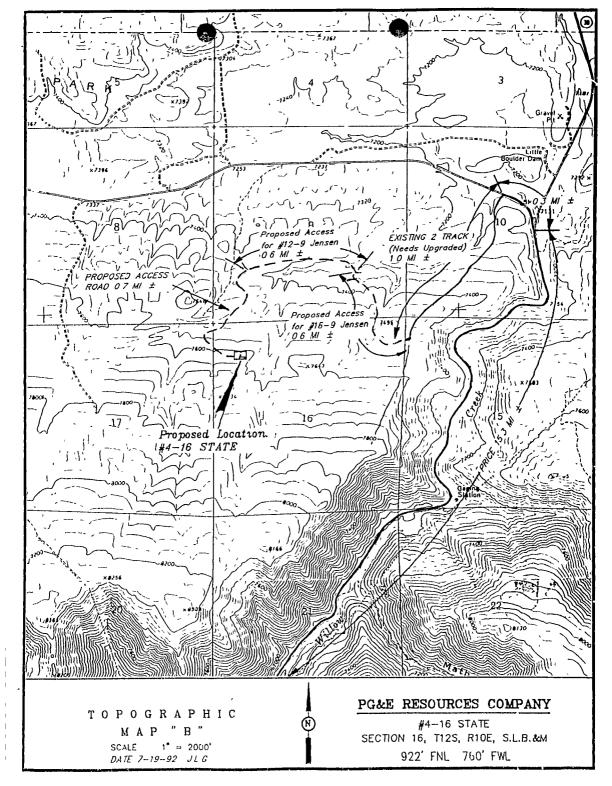
- a. The expected maximum bottom hole pressure is 2098 psi (.134 psi/ft). The maximum surface pressure is 1034 psi (based on partially evacuated hole at 0.22 psi/ft.)
- b. No hydrogen sulfide gas or abnormal pressures are anticipated.











WORKSHEET APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 08/12/92

OPERATOR: PG & E RESOURCES COMPANY OPERATOR ACCT NO: N- 1545 WELL NAME: STATE 4-16 APT NO. ASSIGNED: 43 - 1977 - 3/170) LEASE TYPE: STA LEASE NO: ML 44443 LOCATION: NWNW 16 - T12S - R10E CARBON COUNTY FIELD CODE: FIELD: WILDCAT LOCATION AND SITING: RECEIVED AND/OR REVIEWED: R649-2-3. Unit: Plat Bond R649-3-2. General. (Number Potash (Y/N) R649-3-3. Exception. Oil shale (Y/N) Water permit (Number +9v 91-12) 91-649) Drilling Unit. RDCC Review (Y/N) Board Cause no: (Date: 13-0 Date: all water Lee Hr. Eluption for ation upusted STIPULATIONS:

RDCC Agenda September 8, 1992 6

	26.	UT920818-070	Division of Oil, Gas & Mining/Carbon County: Application for Permit to Drill - Proposal to drill a wildcat well, the Shimmin Trust No. 14-12 well, on a private lease (Sec. 12, T12S, R10E). Comments due 9-8-92.
	27.	UT920818-080	Division of Oil, Gas & Mining/Carbon County: Application for Permit to Drill - Proposal to drill a wildcat well, the State No. 4-16 well, on state lease ML-44443 (Sec. 16, T12S, R10E). Comments due 9-8-92. 13-007-3017
	28.	UT920831-020 Hallweed Petr.	Division of Oil, Gas & Mining/Daggett County: Application for Permit to Drill - Proposal to drill a wildcat well, the Olsen No. 13-20 well on a private lease (Sec. 20, T3N, R19E). Comments due 9-15-92.
	29.	UT920901-020	Division of Oil, Gas & Mining/Carbon County: Application for Permit to Drill-Proposal to drill a wildcat well, the State No. 11-16, on State lease ML 44443 (Sec. 16, T12S, R10E). Comments due 9-15-92.
В.	Fede	eral	
	30.	UT910204-060	DOI/BLM: Salt Lake District Office - Off Highway Vehicle (OHV) designations in the Pony Express Resource Area - Plan amendment. Comments due 9-14-92.
	31.	UT920828-060	USDA/Forest Service: Fishlake National Forest - Pine Creek Sulphurbed Pinyon-Juniper Control Project - Scoping document. Comments due 9-14-92.

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENT

P O Drawer

· Price, Utah \$1501 · Telephone 637-5444

WILLIAM D. HOWELL Executive Director

1106

AREAWIDE CLEARINGHOUSE A-95 REVIEW

14 01 07

NOI Preapp App State Plan State Action X_	Subdivision _ (ASP $\# 8-819-15, 16, 1$)
Other (indicate)	SAI Number UT 430 TIX- 110-
Applicant (Address, Phone Number)	Federal Funds
Oil, Gas and Mining 355 West North Temple 3 Triad Center, Ste 350 Salt Lake City, Utah 84180-1203	Requested·
Title	"JECETAET
APPLICATION FOR PERMIT TO DRILL	SEP 0 2 1992
No comment See comments below No action taken because of insufficient information Please send your formal application to us for review Your a The applicant should forward any written review comments to the lucomments should be forwarded to the State Clearinghouse and also to	nding agency. Any written response to those
Comments	

8-31-92 Date

Authorizing Office



Division Director

State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple 3 Triad Center Suite 350 Salt Lake City Utah \$4180 1203 801 538 5340

September 9, 1992

PG & E Resources Company 5950 Berkshire Lane #600 Dallas, Texas 75225

Gentlemen.

Re: State #4-16 Well, 922 feet from the north line, 760 feet from the west line, NW 1/4
NW 1/4, Section 16, Township 12 South, Range 10 East, Carbon County, Utah

Pursuant to Utah Admin R 649-3-3, Exception to Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted

In addition, the following specific actions are necessary to fully comply with this approval:

- The reserve pit should be inspected after construction to determine if a synthetic liner is required
- 2 The downhill side of the location is to be bermed to prevent runoff from the location
- 3 Compliance with the requirements of Utah Admin R 649-1 et seq., Oil and Gas Conservation General Rules
- 4 Notification within 24 hours after drilling operations commence
- Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change
- 6 Submittal of the Report of Water Encountered During Drilling, Form 7

Page 2 PG & E Resources Company State #4-16 Well September 9, 1992

- 7. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or RJ Firth, Associate Director, (Home) (801)571-6068
- 8. Compliance with the requirements of Utah Admin R 649-3-20, Gas Flaring or Venting, if the well is completed for production

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-007-30172

Sincerely

PJ Firth \

Associate Director, Oil an 'Gas

ldc
Enclosures
cc· Bureau of Land Management
J L Thompson
WOII

DRILLING LOCATION ASSESSMENT

State of Utah Division of Oil, Gas and Mining

OPERATOR: PG&E RESOURCES CO. WELL MAME: #4-16 STATE SECTION: 16 TWP: 12S RNG: 10E LOC: 922 FNL 760 FWL QTR/QTR NW/NW COUNTY: CARBON FIELD: COALBED METHANE

SURFACE OWNER: STATE OF UTAH

SPACINC: 460 F SECTION LINE 460 F QTR/QTR LINE 920 F ANOTHER WELL GEOLOGIST: BRAD HILL DATE AND TIME: 7/20/92 11:45

<u>PARTICIPANTS:</u> Lisa Smith-Permitco, Dean Shimmin-Landowner, Robert Kay-Uintah Engineering

<u>REGIONAL SETTING/TOPOGRAPHY:</u> The proposed location is on the western edge of the Book Cliffs physiographic province. It is located on the Flagstaff dipslope partially on a flat area near a ridge top and partially on the slope.

LAND USE:

CURRENT SURFACE USE: Domestic grazing and wildlife rabitat.

PROPOSED SURFACE DISTURBANCE: The proposed pad is rectangular in shape with approximate dimensions of 340'X 200' including a 130'X 50' reserve pit. Approximately .7 miles of new road will be constructed for access.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sage, Oak, Scattered Grasses, Lupine, Snowberry /Cows, Deer, Elk, Rabbits, Rodents, Birds

ENVIRONMENTAL PARAMETE'S

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Clayey-silt with occasional limestone fragments.

SURFACE FORMATIO, & CHARACTERISTICS: Quaternary alluvium and Flagstaff Limestone

EROSION/SEDIMENTATION/STABLELIY: No active erosion or sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Blackhawk-3617', Aberdeen-4535'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: As per Division of State Lands instructions.

RESERVE PIT

CHAFACTERISTICS: A rectangular reserve pit will be constructed with approximate dimensions of 130'X 50'X 10'.

LINING: The reserve pit is to be evaluated after construction to determine if a synthetic liner is required.

MUD PROGRAM: 0-500'-air/spud mud; 500'-3500'-FW w/Gel Sweeps; 3500'-4835'-FW-LSND

"RILLING WATER SUPPLY: Drilling water will be from the existing Shimmins Trust wells.

STIPULATIONS FOR APD APPROVAL

The reserve pit is to be evaluated after construction. The down hill side of the location is to be bermed to prevent run off from the location.

ATTACHMENTS

Photographs will be placed on file.

Michael O I eavitt
Governor

Ted Stewart
Executive Director

Jamus W Carter
Dynnon Director

3 Triad Center Suite 350

⁴ In Lake City Utah 84180 1203

8 538 5340 801 359 3940 (Fax)

Division Director # 801 538 5319 (IDD)

February 14, 1994

PG & E Resources Company 5950 Berkshire Lane, #600 Dallas, Texas 75225

Re Application for Permit to Drill Well No State #4-16
NWNW, Sec 16, T 12S, R 10E
Carbon County, Utah
API No 43-007-30172

Dear Sirs:

Your referenced application submitted for approval was approved January 31, 1990. In accordance with R.649-3-4-4 the Division receinds its approval of the referenced application

In order to drill this well in the future, a new application will have to be submitted

Yours truly,

Lank Matthews
Petroleum Logineer

cc R J Firth
State Lands and Forestry
Well file

STATE ACTIONS

Mail to RDCC Coordinator 116 State Capitol Salt Lake City, Utah 84114

		S OTATE ADDITIONATION IDENTIFIED AN IMPED
1.	ADMINISTERING STATE AGENCY	2 STATE APPLICATION IDENTIFIER NUMBER
	OIL, GAS AND MINING	(assigned by State Clearinghouse)
	355 West North Temple	
	3 Triad Center, Suite 350	
	Salt Lake City, Utah 84180-1203	3 APPROXIMATE DATE PROJECT WILL START:
	Juli Zamo July, Time Treat 1222	Upon approval
		-F
4	AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS	
	(to be sent out by agency in block 1)	
	Southeastern Utah Association of Governments	
5	TYPE OF ACTION /_/ Lease /X/ Permit /_/ License /_/ Land Acquisition	
	/_/ Land Sale /_/ Land Exchange /_/ Other	
6.	TITLE OF PROPOSED ACTION	
	Application for Permit to Drill	
7	DESCRIPTION	
	PG & E Resources Company proposes to drill the State #4-16 well (wildcat) on state lease ML-44443	
	Carbon County, Utah This action is being presented to RDCC for consideration of resource issues	
	affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this	
	action and must issue approval before operations commence	
		·
8	LAND AFFECTED (site location map required) (indicate county)	
	NW/4, NW/4, Section 16, Township 12 South, Range 10 East, Carbon County, Utah	
	· · · · · · · · · · · · · · · · · · ·	
9	HAS THE LOCAL GOVERNMENT(s) BE	EN CONTACTED?
10	POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR-	
	Degree of impact is based on the discovery of oil or gas in commercial quantities	
11	NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT	
	SITE, IF APPLICABLE	
12	FOR FURTHER INFORMATION, CONTA	CT 13 SIGNATURE AND TITLE OF AUTHORIZED
		OFFICIAL.
	Frank R Matthews	Soll fauneur
	PHONE 538-5340	DATE 8 14-92 Petroleum Engineer
WOI	187	